

PCT**WORLD INTELLECTUAL PROPERTY ORGANIZATION**

[stamp]

International Bureau**INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)**

(51) International patent classification⁶: A61K 7/13	A1	(11) International publication number: WO 99/36036 (43) International publication date: 22 July 1999 (22.07.99)
(21) International application number: PCT/FR98/02805 (22) International filing date: 21 December 1998 (21.12.98) (30) Data relating to the priority: 98/00,250 13 January 1998 (13.01.98) FR (71) Applicant (for all designated States except US): L'OREAL [FR/FR]; 14, rue Royale, F-75008 Paris (FR). (72) Inventors; and (75) Inventors/Applicants (US only): LANG, Gérard [FR/FR]; 51 B, rue Robert Thomas, F-95390 Saint Prix (FR). COTTERET, Jean [FR/FR]; 13, rue du Pré Rousselin, F-78480 Verneuil/Seine (FR). (74) Representative: MISZPUTEN, Laurent; L'Oreal - DPI, 6, rue B. Sincholle, F-92585 Clichy Cedex (FR).		(81) Designated states: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO Patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian Patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European Patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI Patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With the International Search Report.
<p style="text-align: center;">As printed</p> (54) Title: DYEING COMPOSITION CONTAINING A LACCASE AND KERATINOUS FIBRE DYEING METHOD (54) Titre: COMPOSITION TINCTORIALE CONTENANT UNE LACCASE ET PROCEDE DE TEINTURE DES FIBRES KERATINIQUES (57) Abstract The invention concerns a cosmetic composition for oxidation dyeing of keratinous fibres comprising in a support suitable for keratinous fibre dyeing: (a) at least an enzyme such as laccase; (b) at least a particular alkalising agent; (c) at least an oxidation colouring agent, as well as the dyeing methods using said composition. (57) Abrégé La présente demande concerne une composition cosmétique destinée à la coloration par oxydation des fibres kératiniques comprenant dans un support approprié pour la teinture des fibres kératiniques: (a) au moins une enzyme de type laccase; (b) au moins un agent alcalinisant particulier; (c) au moins un colorant d'oxydation; ainsi que les procédés de teinture mettant en oeuvre cette composition.		